

WHAT IS CLAIMED IS:

SUB A³) 1. An absorbent paper product for drying and conditioning the skin of a user, said paper product comprising:

a paper web and

5 a water-soluble lotion composition applied to said paper web such that the add-on level of said lotion composition is between about 1% to about 25% by weight of said paper product, said lotion composition comprising:

10 i) water in an amount up to about 90% by weight of said lotion composition;

ii) a water-soluble skin-conditioning component in an amount up to about 75% by weight of said lotion composition;

15 iii) a viscosity modifier component in an amount up to about 10% by weight of said lotion composition, said viscosity modifier including a surfactant that is capable of increasing the viscosity of said lotion composition when incorporated therein; and

iv) an optional liquid-coupling component in an amount up to about 60% by weight of said lotion composition.

20 2. A paper product as defined in claim 1, wherein said water comprises between about 10% to about 30% by weight of said lotion composition.

3. A paper product as defined in claim 1, wherein said water-soluble skin-conditioning component comprises between about 10% to about 40% by weight of said lotion composition.

25 SUB A⁴) 4. A paper product as defined in claim 1, wherein said water-soluble skin-conditioning component includes glycerin, propylene glycol, sorbitol, or combinations thereof.

5. A paper product as defined in claim 1, wherein said water-soluble skin-conditioning component includes glycerin in an amount up to

about 25% by weight of said lotion composition.

6. A paper product as defined in claim 5, wherein said glycerin comprises between about 2% to about 15% by weight of said lotion composition.

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SUB A⁴ 7. A paper product as defined in claim 1, wherein said water-soluble skin-conditioning component includes sorbitol in an amount up to about 30% by weight of said lotion composition.

8. A paper product as defined in claim 7, wherein said sorbitol comprises between about 5% to about 20% by weight of said lotion composition.

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SUB A⁵ 9. A paper product as defined in claim 1, wherein said water-soluble skin-conditioning component includes propylene glycol in an amount up to about 30% by weight of said lotion composition.

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10. A paper product as defined in claim 9, wherein said propylene glycol comprises between about 5% to about 20% by weight of said lotion composition.

11. A paper product as defined in claim 1, wherein said viscosity modifier component comprises between about 2% to about 5% by weight of said lotion composition.

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12. A paper product as defined in claim 1, wherein said surfactant of said viscosity modifier component includes PEG-80 glyceryl cocoate, behentrimonium methosulfate and cetearyl alcohol, PEG-2000, sodium stearyl lactylate, PEG-75 lanolin, talloweth-60-myristyl glycol, or combinations thereof.

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13. A paper product as defined in claim 1, wherein said liquid-coupling component comprises between about 20% to about 40% by weight of said lotion composition.

SUB A⁶ 14. A paper product as defined in claim 1, wherein said lotion composition further comprises an antimicrobial agent in an amount up to

about 20% by weight of said lotion composition.

15. A paper product as defined in claim 14, wherein said antimicrobial agent is present in an amount between about 0.01% to about 5% by weight of said lotion composition.

5 ^{SUB A 7} 16. A paper product as defined in claim 1, wherein said lotion composition further comprises a preservative in an amount up to about 5% by weight of said lotion composition.

17. A paper product as defined in claim 16, wherein said preservative comprises between about 0.1% to about 2% by weight of said lotion composition.

10 18. A paper product as defined in claim 1, wherein said add-on level of said lotion is between about 1% to about 10% by weight of said paper product.

15 19. A paper product as defined in claim 1, wherein said add-on level of said lotion is between about 1% to about 5% by weight of said paper product.

20 20. A paper product as defined in claim 1, wherein said paper product has a basis weight between about 1 to about 50 pounds per ream.

21. A paper product as defined in claim 1, wherein said paper product is a towel having a basis weight between about 10 to about 45 pounds per ream.

25 ^{SUB A 8} 22. An absorbent paper towel for drying and conditioning the skin of a user, said towel having a basis weight from about 10 to about 45 pounds per ream, said towel comprising:

a paper web; and

a water-soluble lotion composition applied to said paper web such that the add-on level of said lotion is between about 1% to about 25% by weight of said paper towel, said water-soluble lotion composition

comprising:

i) water in an amount between about 10% to about 30% by weight of said lotion composition;

ii) a water-soluble skin-conditioning component in an amount between about 10% to about 40% by weight of said lotion composition, wherein said water-soluble skin-conditioning component includes glycerin, propylene glycol, sorbitol, or combinations thereof;

iii) a viscosity modifier component in an amount between about 2% to about 5% by weight of said lotion composition, said viscosity modifier component including a surfactant that is capable of increasing the viscosity of said lotion composition when incorporated therein; and

iv) an optional liquid-coupling component in an amount between about 20% to about 40% by weight of said lotion composition, wherein said liquid-dispersing component includes a surfactant.

23. A paper towel as defined in claim 22, wherein said water-soluble skin-conditioning component includes glycerin in an amount between about 2% to about 15% by weight of said lotion composition.

24. A paper towel as defined in claim 22, wherein said water-soluble skin-conditioning component includes sorbitol in an amount between about 5% to about 20% by weight of said lotion composition.

25. A paper towel as defined in claim 22, wherein said water-soluble skin-conditioning component includes propylene glycol in an amount up between about 5% to about 20% by weight of said lotion composition.

26. A paper towel as defined in claim 22, wherein said lotion composition further comprises an antimicrobial agent.

27. A paper towel as defined in claim 22, wherein said lotion composition further comprises a preservative.

28. A paper towel as defined in claim 22, wherein said add-on

level of said lotion is between about 1% to about 10% by weight of said paper product.

29. A paper towel as defined in claim 22, wherein said add-on level of said lotion is between about 1% to about 5% by weight of said paper product.

30. A method for forming a paper product for drying and conditioning the skin of a user, said method comprising:
forming a web from at least one furnish containing fibers and water;
through-drying said web to remove water therefrom; and
thereafter, treating said dried web with a water-soluble lotion composition such that said lotion has an add-on level of between about 1% to about 25% by weight of said paper product, said water-soluble lotion composition comprising:

- i) water in an amount up to about 90% by weight of said lotion composition;
- ii) a water-soluble skin-conditioning component in an amount up to about 75% by weight of said lotion composition;
- iii) a viscosity modifier component in an amount up to about 10% by weight of said lotion composition, said viscosity modifier including a surfactant that is capable of increasing the viscosity of said lotion composition when incorporated therein; and
- iv) an optional liquid-coupling component in an amount up to about 60% by weight of said lotion composition.

31. A method as defined in claim 30, wherein said lotion composition is printed onto said paper web.

32. A method as defined in claim 30, wherein said lotion composition is sprayed onto said paper web.

33. A method as defined in claim 30, wherein said water comprises between about 10% to about 30% by weight of said lotion

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composition.

34. A method as defined in claim 30, wherein said water-soluble skin-conditioning component comprises between about 10% to about 40% by weight of said lotion composition.

5 SUB A17 35. A method as defined in claim 30, wherein said water-soluble skin-conditioning component includes glycerin, propylene glycol, sorbitol, or combinations thereof.

36. A method as defined in claim 30, wherein said viscosity modifier component comprises between about 2% to about 5% by weight of said lotion composition.

10 37. A method as defined in claim 30, wherein said surfactant of said viscosity modifier component includes PEG-80 glyceryl cocoate, behentrimonium methosulfate and cetearyl alcohol, PEG-2000, sodium stearyl lactylate, PEG-75 lanolin, talloweth-60-myristyl glycol, or combinations thereof.

15 38. A method as defined in claim 30, wherein said liquid-coupling component comprises between about 20% to about 40% by weight of said lotion composition.

20 39. A method as defined in claim 30, wherein said lotion composition further comprises an antimicrobial agent.

40. A method as defined in claim 30, wherein said lotion composition further comprises a preservative.

25 41. A method as defined in claim 30, wherein said add-on level of said lotion is between about 1% to about 10% by weight of said paper product.

SUB A17 42. A method as defined in claim 30, wherein said add-on level of said lotion is between about 1% to about 5% by weight of said paper product.

43. A method as defined in claim 30, wherein said paper product is

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